

ROYAL ASTRONOMICAL SOCIETY.

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G. B. AIRY, Esq., President, in the Chair.
W. S. Downes, Esq., Prestbury Villas ;
O. G. Downes, Esq., Highbury Grove; and
Rev. Charles Lowndes, Hartwell Rectory, Bucks;
were balloted for and duly elected Fellows of the Society.
Professor Benjamin Pierce ;
Dr. A. D. Bache ;
Professor O. M. Mitchell; and
Sears C. Walker, Esq. ;
all of the United States of America, were balloted for and duly
elected Associates of the Society.

See the last page for the notice of a new comet.

HEBE.

LIVERPOOL. Equatoreal. (Mr. Hartnup.)

1850.	Greenwich M.T.			R.A.			N.P.D.			Comp ^d .—Obs ^d .		Stars of Comp.
	h	m	s	h	m	s	°	'	"	R.A.	N.P.D.	
ar. 16	12	48	26.7	13	17	29.79	80	0	59.6	—0.86	—1.8	59 Virginis.
17	10	43	15.3	16	51.79		79	52	13.4	0.31	1.3	—
18	11	5	27.4	16	8.70			42	30.7	0.87	2.2	—
21	12	31	9.6	13	53.18		79	13	36.1	0.33	3.0	—
24	10	40	20.3	11	37.04		78	46	36.2	1.02	1.8	ε Virginis.
26	11	50	37.8	9	58.02		28	10.4		0.78	0.8	—
27	10	46	3.7	9	11.34		19	45.7		0.96	1.4	—
28	13	21	49.3	8	16.30		78	10	10.1	0.84	3.6	—
31	10	53	56.0	5	50.21		77	45	45.2	0.71	2.3	—
ril 5	10	40	31.7	13	1	34.13	77	6	49.6	0.83	2.5	—
12	10	34	27.7	12	55	36.41	76	20	7.3	—0.95	—0.5	4423 B.A.C.

The observations are corrected for refraction and parallax. The computed places were deduced from the Supplement to the *Nautical Almanac* for 1853. The following assumed places of the stars of comparison are derived from the *Edinburgh Observations* :—

For January 1, 1850.

	Mean R.A.			Mean N.P.D.		
	h	m	s	°	'	"
59 Virginis	13	9	19.87	79	47	24.62
ε Virginis.....	12	54	42.68	78	13	58.34
4423 B.A.C. ...	13	5	5.17	77	38	39.11

By C. Rümker.

1850.	Hamburg M.T.	App. R.A.	App. Decl.	
	^h ^m ^s	^o ['] ["]	^o ['] ["]	
Feb. 22	11 41 57.6	201 55 2.6	+ 6 32 36.3	Equatoreal.
Mar. 8	16 37 22.1	200 34 56.1	8 42 51.2	—
9	10 25 37.5	28 51.4	8 49 57.9	—
11	9 30 40.4	200 12 2.6	9 8 57.5	—
15	10 35 6.2	199 33 47.6	9 48 2.3	—
30	8 20 15.3	196 42 1.0	12 4 42.1	—
31	8 45 59.5	29 4.7	13 13.8	—
April 1	8 18 44.0	196 16 32.1	21 10.1	—
3	9 58 54.0	195 50 5.3	12 37 30.4	—
8	10 47 52.0	194 45 9.1	13 14 16.9	—
11	9 52 15.1	194 7 20.5	33 25.5	—
15	10 31 34.5	193 17 14.5	13 56 25.7	—
16	10 27 43.9	193 5 7.8	14 1 33.6	—
17	9 6 47.4	192 53 46.5	6 16.6	—
17	11 8 45.4	52 40.9	6 38.2	Mer. Circle.
18	11 4 2.5	40 55.9	11 20.7	—
19	10 59 21.8	192 29 38.4	+ 14 15 55.7	—

The position of *Hebe*, April 1, rests on a transit of the planet over a fixed star, the light of the latter eclipsing that of the planet so completely, that their places may be considered very nearly as identical.

Mean Places for January 1, 1850, of Stars in the Orbit of *Hebe*, deduced from Observations with the Meridian Circle.

Mag.	Mean R.A.	Mean Dec.	Day of Comparison with <i>Hebe</i> .
	^h ^m ^s	^o ['] ["]	
7.8	12 40 19.425	+ 14 14 37.9	
7	12 40 43.366	14 22 22.6	
8	12 45 51.560	14 9 31.3	
7	12 53 55.516	13 58 36.9	} April 11, 15, 16, 17
9	12 54 13.797	13 58 59.3	
9	13 0 0.238	13 7 44.0	} April 8
9	13 0 5.817	13 4 32.1	
9	13 0 37.024	12 59 58.1	
7	13 5 4.898	12 21 16.6	April 1 and 3
7	13 7 2.245	12 7 44.2	March 30, 31
9	13 12 25.939	11 16 40.6	
9	13 18 54.318	9 41 25.9	March 15
9	13 23 54.101	8 49 49.1	March 9
7	13 25 35.916	+ 6 37 24.7	Feb. 22